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Derwent Title: **Earth leakage detector**

Original Title: KR1093015A: EARTH LEAKAGE DETECTOR

Assignee: AXCESS TECHNOLOGY KOREA CO LTD Non-standard company

Inventor: KIM Y;

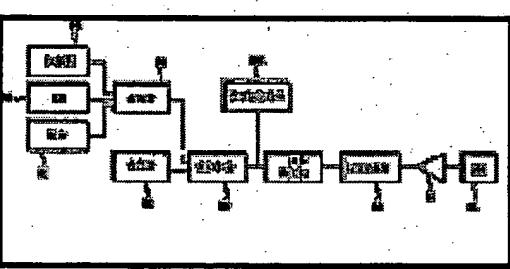
Accession/ Update: 2002-185941 / 200224

IPC Code: H02H 3/26 ;

Derwent Classes:

X13;

Manual Codes: X13-C01D(Difference between magnitudes or phase of voltages or currents)



Derwent Abstract:

(KR1093015A) Novelty - An earth leakage detector is provided to achieve an in-advance prevention against electric leakage, while recording and monitoring the data regarding power input, leakage and ambient temperature in a real-time basis. **Detailed Description** - An earth leakage detector comprises a zero phase sequence current transformer(ZCT)(10) for generating current corresponding to the amount of leakage current; an analog/digital converter(30) for converting the current generated from the ZCT into a digital signal; a digital filter for eliminating the residual noise included in the converted digital signal; a main control unit(40) judging the occurrence or possibility of electric leakage by comparing the signal having no residual noise with a preset reference value; leakage control module(100) connected between the digital filter and the main control unit, and which measures and records the converted digital signal and ambient temperature; and an output unit for outputting the result judged by the main control unit. The output unit includes a buzzer(70) for generating alarm sound and a light emitting diode(80) for displaying leakage state when the main control unit judges occurrence or possibility of electric leakage.

Images:

Dwg.1/10

[?Family:](#)

[PDF Patent](#)

[Pub. Date Derwent Update Pages Language IPC Code](#)

KR1093015A * 2001-10-27 200224 1 English H02H 3/26

Local appls.: KR2000000015815 Filed:2000-03-28 (2000KR-0015815).....

[?Priority Number:](#)

Application Number	Filed	Original Title
KR2000000015815	2000-03-28	VISCOUS FLUID CLEANING

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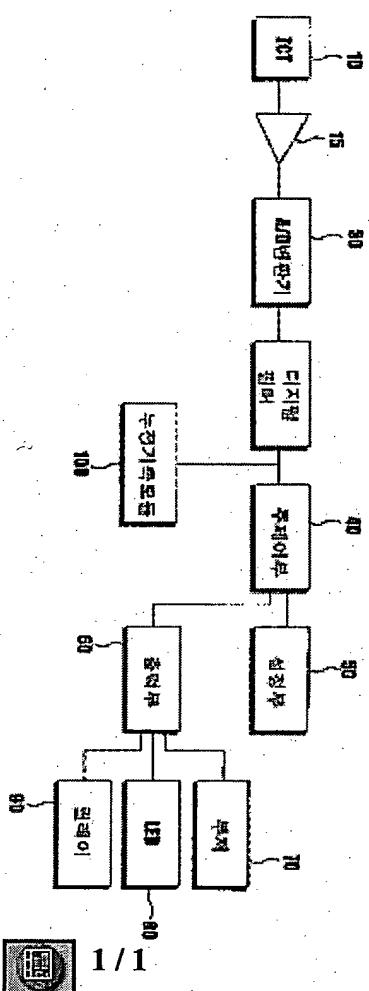
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>Title: KR1093015A: EARTH LEAKAGE DETECTOR

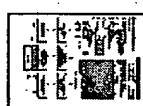
Derwent Title: Earth leakage detector [Derwent Record]

Country: KR Republic of Korea

Kind: A Examined Patent Application

Inventor: KIM, YUNG; Republic of Korea

Assignee: AXCESS TECHNOLOGY KOREA CO., LTD. Republic of Korea
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High
Resolution

Published / Filed: 2001-10-27 / 2000-03-28

Application Number: KR2000000015815

IPC Code: H02H 3/26

ECLA Code: None

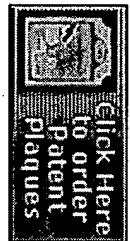
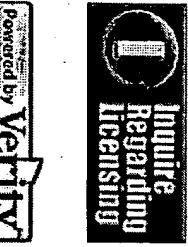
Priority Number: 2000-03- KR2000000015815

Family:

PDF	Publication	Pub. Date	Filed	Title
<input checked="" type="checkbox"/>	KR1093015A	2001-10-27	2000-03-28	EARTH LEAKAGE

1 family members shown above

Other Abstract Info: None



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EARTH LEAKAGE DETECTOR

Patent number: KR2001093015
Publication date: 2001-10-27
Inventor: KIM YUNG [KR]
Applicant: AXCESS TECHNOLOGY KOREA CO LTD [KR]
Classification:
- **international:** H02H3/26
- **european:**
Application number: KR20000015815 20000328
Priority number(s): KR20000015815 20000328

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